			- là
	Application No.	Applicant(s)	VI ·
Notice of Allowability	09/814,125 Examiner	IKETAKI ET AL. Art Unit	
	Audrey Y. Chang	2872	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT F of the Office or upon petition by the applicant. See 37 CFR 1.31	S (OR REMAINS) CLOSED in i) or other appropriate commu RIGHTS. This application is s	this application. If not include inication will be mailed in due o	d course. <b>THIS</b>
1. $\boxtimes$ This communication is responsive to <u>response filed on Ju</u>	ly 6, 2004.		
2. The allowed claim(s) is/are 74, 77-97,( renumber as 1-22	<u>)</u> .		
3. $\boxtimes$ The drawings filed on <u>22 March 2001</u> are accepted by the	e Examiner.		
4. ☑ Acknowledgment is made of a claim for foreign priority to a) ☐ All b) ☐ Some* c) ☒ None of the:  1. ☒ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have a copies of the priority documents have a copies of the certified copies of the priority documents have a copies of the priority documents have	re been received. re been received in Application occuments have been received. re of this communication to file MENT of this application. mitted. Note the attached EXA res reason(s) why the oath or lest be submitted. reson's Patent Drawing Review. r's Amendment / Comment or 1.84(c)) should be written on the header according to 37 CF posit of BIOLOGICAL MATE	n No If in this national stage applicated in this national stage applicated a reply complying with the requirement of the declaration is deficient.  If ( PTO-948) attached in the Office action of the drawings in the front (not the R 1.121(d).	uirements OTICE OF
<ul> <li>Attachment(s)</li> <li>1.  Notice of References Cited (PTO-892)</li> <li>2.  Notice of Draftperson's Patent Drawing Review (PTO-948)</li> <li>3.  Information Disclosure Statements (PTO-1449 or PTO/SB, Paper No./Mail Date</li></ul>	6. Interview St Paper No./ /08), 7. Examiner's	formal Patent Application (PTC ummary (PTO-413), Mail Date Amendment/Comment Statement of Reasons for Allo  Audrey Y. Chang Primary Examiner Art Unit: 2872	

## REASONS FOR ALLOWANCE

## Remark

- This Office Action is in response to applicant's correspondence filed on July 6, 2004,
   which has been entered into file.
- The applicant has filed no amendment to the claims.
- Claims 74 and 77-97 remain pending in this application.

## Terminal Disclaimer

1. The terminal disclaimer filed on July 6, 2004 disclaiming the terminal portion of any patent granted on this application, which would extend beyond the expiration date of US patent 6,667,830 has been reviewed and is accepted. The terminal disclaimer has been recorded.

## Reasons For Allowance

2. The following is an examiner's statement of reasons for allowance: of the prior art references considered none has disclosed a double-resonance absorption microscope that includes an overlap component (or overlap means) for partially overlapping irradiating areas of the pump light and the erase light so that the emission area is partially inhibited during the deexcitation of the sample molecule from the firs electronic excited state to the ground state by irradiation the pump light and the erase light though the overlap component (or means), a spatial filter (or spatial filtering means) located on the optical path of the erase light for condensing and collimating the erase light to parallel beam and a phase modulation element (or phase modulation means) for providing the erase light passing through the spatial filter with a phase difference of  $\pi$  around an optical axis of the erase light so as to produce a first-order Bessel beam.

The prior art reference US patent issued to Kashima et al (PN. 6,184,535) teaches a double-resonance absorption microscope with spatial filter and aperture in the beam path but it

Art Unit: 2872

does not teach to use a phase modulation element to provide the erase light passing through the spatial filter with a phase difference of  $\pi$  around an optical axis of the erase light to produce a first order Bessel beam.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Audrey Y. Chang whose telephone number is 571-272-2309. The examiner can normally be reached on Monday-Friday (8:00-4:30), alternative Mondays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Drew Dunn can be reached on 571-272-2312. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions or access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Audrey Y. Chang Primary Examiner Art Unit 2872

A. Chang, Ph.D.